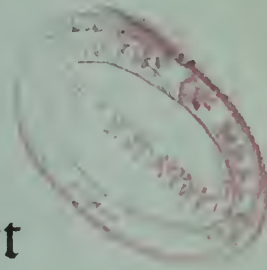


1937.

Swansea
Health



Port
Authority



JOINT BOARD.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

Port Health Offices :
10, SOMERSET PLACE, SWANSEA.

Telephone :
SWANSEA, 3523.
Wireless Telegraphic Address :
"PORTELTH, SWANSEA."

1937.

Swansea
Health



Port
Authority

JOINT BOARD.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

Port Health Offices :
10, SOMERSET PLACE, SWANSEA.

Telephone :
SWANSEA, 3523.
Wireless Telegraphic Address :
"PORTELTH, SWANSEA."

CONTENTS.

| | <i>Page</i> |
|---|-------------|
| Members and Officers of the Authority | 4 |
| Preface | 5 |
| Amount of shipping entering the Port during the Year | 6 |
| Table A | 6 |
| Character of Trade of Port | 7 |
| Table B | 7 |
| Source of Water Supply | 10 |
| Port Sanitary Regulations, 1933 | 10 |
| Table C | 11 |
| Table D | 11 |
| Measures against Rodents | 14 |
| Table E | 16 |
| Table F | 17 |
| Table G | 17 |
| Table H | 19 |
| Hygiene of Crews' Spaces | 19 |
| Table J | 20 |
| Food Inspection | 21 |
| The Parrots (Prohibition of Import) Regulations, 1930 | 22 |

THE SWANSEA PORT HEALTH AUTHORITY, JOINT BOARD.

Chairman :
Councillor DAVID RICHARDS.

Vice-Chairman :
Alderman JAMES LEWIS, J.P.

Representing the Swansea Corporation :

| | |
|---|--|
| Councillor David Richards (Chairman). | Alderman G. H. Hollett. |
| „ W. G. Rees. | Councillor E. G. Protheroe, J.P. |
| „ E. Walters. | „ Dr. L. W. Hefferman. |
| „ T. S. Harris. | „ G. H. Libby. |
| „ W. Evans. | „ S. C. Jenkins. |
| <i>Representing Neath Rural District Council</i> | „ W. P. Jenkins. |
| „ <i>Neath Corporation</i> | Alderman W. K. Owen. |
| „ <i>Port Talbot Corporation</i> | Councillor B. Morris. |
| „ <i>Porthcawl Urban District Council</i> | Alderman James Lewis, J.P. (Vice-Chairman) |
| „ <i>Cowbridge Rural District Council</i> | Councillor John Perkins. |
| „ <i>Penybont Rural District Council</i> | „ D. J. Rees, J.P. |
| | „ D. E. Rees. |
| | „ Major C. T. Edmondson. |

OFFICERS OF THE AUTHORITY.

Clerk : H. L. Lang-Coath. *Medical Officer :* Alfred Hanson, M.R.C.S.
Deputy Medical Officer : Thomas Evans, M.B., D.P.H.

Assistant Medical Officers :

PORT TALBOT : W. W. Hellyer, M.R.C.S., L.R.C.P. NEATH DISTRICT : Thomas Imrie, M.B., Ch.B.
PORTHCAWL : G. M. A. Thomas, L.R.C.P., L.R.C.S.

Treasurer : W. H. Ashmole, F.S.A.A., M.B.E., J.P.

Chief Inspector ; Inspector under Port Sanitary Regulations 1933 ; and Imported Food Regulations :

J. A. Davies, C.R.S.I. (Cert. Meat & Foods).

Assistant Inspector, Imported Food Regulations :

G. W. Hale, C.R.S.I. (Cert. Meat & Foods).

Assistant Inspector, Deralisation of Ships :
H. W. Baxter, C.R.S.I. (Cert. Meat & Foods).

Assistant Inspectors :

SWANSEA.
T. H. Hearne, C.R.S.I.
H. G. Williams, C.R.S.I. (Cert. Meat & Foods).
Hubert Bowen, A.R.S.I. (Cert. Meat & Foods).

PORT TALBOT—R. A. Best, C.R.S.I.
NEATH DISTRICT—M. T. Johns.
PORTHCAWL—Lewis Mabley.

Medical Officer's Clerk : A. Davies.

Rat-searcher : W. G. Thomas, Cert.S.I.B.

Junior Clerk : J. G. Davies.

Report of the Medical Officer of Health.

To :

The Chairman and Members of the

Swansea Port Health Authority, Joint Board.

Gentlemen,

I have the honour to submit my Annual Report for the year 1937.

The year 1937 does not call for any special comment as regards the trade of the ports under your Authority—there has been a small increase in the number of vessels arriving, as compared with 1936, but there has been a drop in the total tonnage of 139,996 tons. The figures for the port of Swansea show an increase of imports and exports of 1,320,536 tons for the year, this confirms an impression that the port has more than maintained its trade during the year.

The incidence of infectious disease on vessels arriving in the ports under your Authority has again been remarkably low—malaria as in 1936, being the principal disease.

Revised instructions as to the survey of master's and crew spaces.—These instructions were issued at the end of the year 1937 to supersede those issued in 1923, and came into force at once. These instructions apply to the construction of new ships and their ultimate benefit will only be shown in the course of years—as the present ships are replaced. Already in the last year or two, new ships have been built which have reached the standard laid down in the new instructions. This improvement has been more evident in some foreign built ships, especially Scandinavian and Russian. In addition improvements to many existing ships have been carried out during the past year. What is also important is the care and upkeep of crew spaces, this duty falls primarily upon the master to satisfy himself by frequent and regular inspections, that the crew's quarters are cleaned daily, and that every effort is made to detect the presence of vermin and to deal with it immediately.

The Ministry of Health request that the attention of the Authority's officers be drawn to the requirements embodied in the instructions, particularly those contained in paragraph 32. The Minister feels sure that the Authority will appreciate the desirability of the fullest possible measure of co-operation between their officers and the Surveyors of the Board of Trade, also inviting the Authority to instruct their officers to take every opportunity in the course of their duties to explain to the men the advantage of cleanliness and tidiness in their quarters on board ship.

AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR.

The totals of vessels and tonnage, foreign and coastwise, entering the Swansea Port Health District, are kindly supplied by H.M. Collector of Customs, with the exception of fishing vessels, which are compiled from the records of the department.

TABLE A.

| | Number. | Tonnage. | Number Inspected. | | Number reported to be Defective. | Number of Vessels on which defects were remedied. | Number of Vessels reported as having, or having had, during the voyage infectious disease on board. |
|---------------------------|---------|-----------|-----------------------------------|----------------------------|----------------------------------|---|---|
| | | | By the Medical Officer of Health. | By the Sanitary Inspector. | | | |
| FOREIGN. | | | | | | | |
| Steamers | 2,457 | 2,233,669 | 33 | 2,457 | } 484 | 460 | 8 |
| *Motor | 239 | 339,450 | 16 | 239 | | | |
| Sailing | 17 | 1,715 | 3 | 17 | — | — | — |
| Fishing | 5 | 551 | — | 5 | — | — | — |
| TOTAL FOREIGN ... | 2,718 | 2,575,385 | 52 | 2,718 | 484 | 460 | 8 |
| COASTWISE. | | | | | | | |
| Steamers | 2,404 | 1,574,600 | — | 2,362 | } 366 | 351 | 4 |
| *Motor | 409 | 114,371 | — | 277 | | | |
| Sailing | 1 | 574 | — | 1 | — | — | — |
| Fishing | 532 | 59,134 | — | 532 | 47 | 47 | — |
| TOTAL COASTWISE ... | 3,346 | 1,748,679 | — | 3,172 | 413 | 398 | 4 |
| TOTAL FOREIGN & COASTWISE | 6,064 | 4,324,064 | 52 | 5,890 | 897 | 858 | 12 |

*Includes mechanically propelled vessels other than steamers.

Totals of vessels and tonnage, foreign and coastwise, entering the individual ports comprising the Swansea Port Health District.

| District. | Foreign. | Tonnage. | Coastwise. | Tonnage. | Total Vessels Foreign and Coastwise. | Total Tonnage Foreign and Coastwise. |
|--------------------|----------|-----------|------------|-----------|---|---|
| SWANSEA | 1,749 | 1,858,817 | 2,629 | 1,398,507 | 4,378 | 3,257,324 |
| NEATH | 138 | 34,815 | 166 | 27,433 | 304 | 62,248 |
| PORT TALBOT | 831 | 681,753 | 506 | 313,389 | 1,337 | 995,142 |
| PORTHCAWL | — | — | 45 | 9,350 | 45 | 9,350 |
| TOTALS | 2,718 | 2,575,385 | 3,346 | 1,748,679 | 6,064 | 4,324,064 |

Number of vessels, tonnage (foreign and coastwise), entering the Swansea Port Health District during the preceding five years.

| Year. | Number of Vessels. | | Total Foreign and Coastwise. | Tonnage. | | Total Tonnage Foreign and Coastwise |
|-------|--------------------|------------|---------------------------------|-----------|------------|--|
| | Foreign. | Coastwise. | | Foreign. | Coastwise. | |
| 1932 | 3,179 | 3,243 | 6,422 | 3,656,848 | 1,478,877 | 5,135,725 |
| 1933 | 3,080 | 3,573 | 6,653 | 3,424,579 | 1,637,138 | 5,061,717 |
| 1934 | 2,687 | 3,823 | 6,510 | 2,710,902 | 2,375,808 | 5,086,710 |
| 1935 | 2,451 | 3,476 | 5,927 | 2,469,999 | 2,177,575 | 4,647,574 |
| 1936 | 2,830 | 3,025 | 5,855 | 2,962,533 | 1,501,527 | 4,464,060 |

CHARACTER OF TRADE OF PORT.

TABLE B.

Passenger traffic during the year :—No passenger traffic is dealt with at the port.

MEDICAL INSPECTION OF ALIENS.

The port is not an accredited alien port, but alien passengers arriving in cargo vessels, who intended to remain in this country for more than three months, were subjected to medical examination.

| | | | |
|--|------|------|-----|
| Number of cargo vessels arriving with alien passengers | .... | .... | 4 |
| Total number of alien passengers medically examined | .... | .... | 28 |
| Certificates issued | .... | .... | Nil |

Cargo traffic. Principal imports and exports :—

IMPORTS.—Iron Ore, Copper and other Ores, Iron and Steel, Timber and Deals, Pitwood and Mining Timber, Grain and Flour, Potatoes, Onions, Fish, General Merchandise and Oil.

EXPORTS.—Cement, Coal and Coke, Patent Fuel, Iron and Steel Rails, Tinplates, Grain and Flour, General Merchandise and Oil.

SWANSEA.

PORT TALBOT.

| Year. | Imports. | Exports. | Total Imports and Exports. | Year. | Imports. | Exports. | Total Imports and Exports. |
|-------|-------------|-------------|----------------------------|-------|-------------|-------------|----------------------------|
| | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> | | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> |
| 1932 | 990,535 | 4,734,451 | 5,724,986 | 1932 | 474,483 | 1,939,096 | 2,413,579 |
| 1933 | 992,472 | 4,647,576 | 5,640,048 | 1933 | 603,639 | 2,073,291 | 2,676,930 |
| 1934 | 1,049,460 | 4,674,487 | 5,723,947 | 1934 | 620,814 | 2,037,460 | 2,658,274 |
| 1935 | 1,051,904 | 4,139,414 | 5,191,318 | 1935 | 612,622 | 1,833,599 | 2,446,221 |
| 1936 | 1,120,099 | 3,912,791 | 5,032,800 | 1936 | 653,609 | 1,812,314 | 2,465,923 |
| 1937 | 1,451,002 | 4,902,334 | 6,353,336 | 1937 | 666,913 | 1,760,560 | 2,427,473 |

FOREIGN PORTS FROM WHICH VESSELS ARRIVE.

The trade of the port is world-wide, and the principal countries and ports from which vessels arrive are as follows :—

| <i>Country.</i> | <i>Ports.</i> |
|--------------------------------------|--|
| Africa | Alexandria, Algiers, Dakar, Durban, Lagos, Mombasa, Oran, Port Said, Suez, Tunis, etc. |
| America | Buenos Ayres, Callao, Cristobal, Curacao, Monte Video, New York, Rio de Janeiro, Rosario, San Francisco, San Nicolas, Santa Fe, Santos, Trinidad, etc. |
| Australia | Adelaide, Brisbane, Fremantle, Melbourne, Port Lincoln, Port Pirie, Sydney, N.S.W., etc. |
| Baltic and Scandinavian Ports | Bergen, Christiansund, Danzig, Fredrikstad, Gothenburg, Haugesund, Helsingfors, Norrkoping, Oslo, Reval, Riga, Skoghall, Stavanger, Stockholm, Copenhagen, etc. |
| Belgium | Antwerp, Bruges, Brussels, Ostend, etc. |
| Black Sea and Danubian Ports | Batoum, Braila, Constanza, Galatz, Ismail, Novorossisk, Odessa, Theodosia, etc. |
| Canada | Botwood, Montreal, Quebec, St. John's, N.B., St. John's, N.F., Vancouver, B.C., Victoria, B.C., etc. |
| Far Eastern Ports | Hong Kong, Nagasaki, Osaka, Shanghai, Yokohama, etc. |
| France | Bayonne, Bordeaux, Brest, Caen, Calais, Cherbourg, Dunkirk, Havre, Honfleur, La Pallice, Lorient, Marseilles, Nantes, Rochefort, Rouen, St. Nazaire, Treport, etc. |
| Germany | Bremen, Bremerhaven, Hamburg, Stettin, Stolpmunde, Wilhelmshaven, etc. |

| | | | |
|------------------|-------|-------|--|
| Greece | ..... | ..... | Patras, Piraeus, Salonica, etc. |
| Holland | ..... | ..... | Amsterdam, Rotterdam, etc. |
| India | ..... | ..... | Bombay, Calcutta, Madras, Rangoon, etc. |
| Iran | ..... | ..... | Abadan. |
| Iraq | ..... | ..... | Basra. |
| Irish Free State | ..... | ..... | Cork, Dublin, Limerick, etc. |
| Italy | ..... | ..... | Bari, Genoa, Spezia, Trieste, etc. |
| Palestine | ..... | ..... | Haifa. |
| Portugal | ..... | ..... | Leixoes, Lisbon, Oporto, Setubal, Vianna do Castelo, etc. |
| Spain | ..... | ..... | Alicante, Almeria, Aviles, Barcelona, Bilbao, Cadiz, Corunna, Huelva, Malaga, Pasages, Santander, Seville, Tarragona, Valencia, Vigo, etc. |
| Syria | ..... | ..... | Tripoli. |
| Turkey | ..... | ..... | Istanbul, Izmir, etc. |
| U.S.S.R. | ..... | ..... | Archangel, Leningrad, Murmansk, Onega, etc. |

OIL TRADE.

Swansea has, in the space of a few years, become one of the leading oil ports and distributing centres in the country, and the imports of oil and spirits have exceeded 2,000,000 tons per annum.

A regular service of tank steamers of 8,000 to 12,000 tons capacity bring the crude oil from Abadan, in Iran; cargoes of oil also arrive from the Mexican oil-fields. The facilities installed are such that a 10,000 tons tanker can discharge a full cargo in 12 hours, and a vessel of a similar size can load the refined product in 20 hours. At the jetty adjoining the entrance to the King's Dock, the largest liners can replenish their bunkers without entering the dock.

Depots have been established by the Anglo-Iranian Oil Co., Ltd., or its subsidiaries, at the following places:—Suez, Port Said, Dunkirk, Antwerp, Hamburg, Danzig, Oslo, Copenhagen, etc., to all of which ports Swansea acts as the base of distribution, thus making it the centre of distribution of the refined products throughout the world.

FISH TRADE.

The Consolidated Fisheries, Ltd., of Grimsby, are firmly established with a fleet of 30 modern deep sea trawlers, whose chief fishing grounds are off the west coast of Ireland. This fleet is considerably augmented during seasons by fishing trawlers from Brixham, Ramsgate, etc. About 12,000 tons of fish are landed annually.

An ice factory has been installed in connection with the industry, with an average daily production of 60 tons of ice. At the Queen's Dock, the Company have an offal works, where fish manure is manufactured, and it has assumed large proportions.

SOURCE OF WATER SUPPLY.

(a) For the Port. (b) For Shipping. (c) Number of Water Boats and their Sanitary Condition.

(a) The ports of Swansea, Neath, and Port Talbot, which comprise the Port Health District, derive their water supplies from the public service supply, maintained by their respective Corporations. Samples of water are periodically examined, and are found to be free from contamination. Water mains are laid throughout the whole of the respective ports.

(b) All shipping is supplied through these sources from hydrants, which are conveniently placed for the supplying of vessels.

(c) No water boats are used in any of the ports under the jurisdiction of the Authority.

PORT SANITARY REGULATIONS, 1933.

In accordance with Circular 1508 of the Ministry of Health, dated 25th November, 1935, detailed reports have been omitted, as the procedure set out in my report for the year 1933 remains unaltered.

Seamen cases of venereal disease admitted for treatment at the clinics:—

| SWANSEA CENTRE. | | | | | | | PORT TALBOT CENTRE. | | | | | | |
|-----------------|-----|-----|-----|------|------|------|---------------------|-----|-----|-----|------|------|------|
| | | | | 1935 | 1936 | 1937 | | | | | 1935 | 1936 | 1937 |
| Syphilis | ... | ... | ... | 47 | 51 | 76 | Syphilis | ... | ... | ... | 21 | 19 | 20 |
| Soft Chancre | ... | ... | ... | 3 | 9 | 5 | Soft Chancre | ... | ... | ... | — | — | 1 |
| Gonorrhoea | ... | ... | ... | 50 | 57 | 74 | Gonorrhoea | ... | ... | ... | 37 | 21 | 28 |
| Others | ... | ... | ... | 18 | 10 | 34 | Others | ... | ... | ... | — | — | 6 |
| Totals | ... | ... | ... | 118 | 127 | 189 | Totals | ... | ... | ... | 58 | 40 | 55 |

The clinic for the treatment of venereal diseases among sailors in Swansea and all ports in the Counties of Carmarthen, Pembroke and Cardiganshire is at the Swansea General and Eye Hospital.

The ports of Port Talbot and Neath are served by the clinic opened at Port Talbot under the Glamorgan County Council.

Facilities for the free treatment of such diseases at the above clinics are notified to the masters of vessels on arrival, and leaflets giving information on the dangers of these diseases and the facilities for free treatment are supplied to the crews by the Inspectors. It is also pointed out that the facilities for treatment are free to all nationalities.

TABLE C.

Cases of Infectious Sickness landed from Vessels.

| Disease. | No. of Cases during the year. | | No. of Vessels concerned. | Average No. of Cases for previous 5 years. |
|----------------------|-------------------------------|-------|---------------------------|--|
| | Passengers. | Crew. | | |
| Beri-Beri | — | — | — | 0.8 |
| Chickenpox | — | — | — | 0.2 |
| Dysentery | — | — | — | 0.4 |
| Enteric Fever | — | — | — | 0.6 |
| Malaria | — | 13 | 4 | 4.8 |
| Pneumonia | — | 1 | 1 | 0.2 |
| Tuberculosis | — | — | — | 0.2 |
| TOTALS | — | 14 | 5 | 7.2 |

TABLE D.

Cases of Infectious Sickness occurring on Vessels during the voyage but disposed of prior to arrival.

| Disease. | No. of Cases during the year. | | No. of Vessels concerned. | Average No. of Cases for previous 5 years. |
|-----------------------------|-------------------------------|-------|---------------------------|--|
| | Passengers. | Crew. | | |
| Cerebro-Spinal Fever | — | — | — | 0.4 |
| Chickenpox | — | 3 | 1 | 2.8 |
| Enteric Fever | — | — | — | 0.4 |
| Erysipelas | — | — | — | 0.2 |
| Malaria | — | 8 | 5 | 13.0 |
| Measles | — | — | — | 0.2 |
| Mumps | — | — | — | 0.6 |
| Pneumonia | — | 3 | 3 | 1.0 |
| Smallpox | — | — | — | 0.4 |
| Tuberculosis | — | — | — | 0.2 |
| Whooping Cough | — | — | — | 0.6 |
| TOTALS | — | 14 | 9 | 19.8 |

SWANSEA.

Vessels and crews examined at the Boarding Station by the Medical Officer of Health, giving details of sickness reported on arrival, and during the voyage.

| Date. | Name of Vessel. | Reg. Tons. | Nationality. | Where from. | No. of Persons on board. | Remarks. |
|----------|---------------------------|------------|--------------|---------------------------------------|--------------------------|--|
| 1937 | | | | | | |
| Jan. 11 | War Pathan, s.s. | ... 3407 | British ... | Trinidad ... | 34 | All well. |
| „ 11 | Laurelwood, m.v. | ... 4360 | do. ... | Haifa ... | 37 | do. |
| „ 11 | Juan de Astigarraga, s.s. | ... 2166 | Spanish ... | Rosario ... | 33 | do. |
| „ 16 | Athelprince, s.s. | ... 5143 | British ... | Haifa | 39 | do. |
| „ 25 | British General, s.s. | ... 4102 | do. ... | Abadan, Suez and Port Said | 43 | Seaman suffering from venereal disease. Referred to clinic for treatment. |
| „ 26 | Vanja, m.v. | ... 3663 | Norwegian | do. ... | 30 | All well. |
| Feb. 1 | British Fusilier, s.s. | ... 4083 | British ... | do. ... | 44 | D.B.S. returning home, convalescent from an attack of influenza. |
| „ 8 | British Grenadier, s.s. | ... 4019 | do. ... | Tripoli (Syria) ... | 43 | Seaman convalescent from pneumonia, and donkeyman injured as result of an accident on board. The latter was removed to his home in police ambulance. |
| Mar. 10 | Laurelwood, m.v. | ... 4360 | do. ... | Abadan, Suez and Port Said | 37 | All well. |
| „ 18 | King Howel, s.s. | ... 3168 | do. ... | Buenos Ayres via St. Vincent (C.V.I.) | 33 | do. |
| „ 20 | Valverda, m.v. | ... 5272 | do. ... | Abadan, Suez and Port Said | 34 | do. |
| April 19 | City of Dunkirk, s s | ... 3759 | do. ... | Dunkirk ... | 73 | do. |
| „ 21 | Marie Maersk, m.v. | ... 5057 | Danish ... | Abadan, Suez and Port Said | 34 | do. |
| May 8 | British Grenadier, s.s. | ... 4019 | British ... | do. ... | 52 | do. |
| „ 9 | San Francisco Maru, s.s. | ... 4226 | Japanese ... | Port Adelaide, Durban, and Las Palmas | 39 | do. |
| „ 16 | Scoresby, s.s. | ... 3843 | British ... | Rosario, | 31 | do. |
| „ 23 | British Gunner, s.s. | ... 4063 | do. ... | Haifa ... | 43 | do. |
| „ 31 | Valverda, m.v. | ... 5272 | do. ... | Abadan, Suez and Port Said | 34 | do. |
| June 5 | British Advocate, s.s. | ... 4130 | do. ... | Tripoli (Syria) ... | 43 | do. |
| „ 21 | British Endeavour, s.s. | ... 2641 | do. ... | Abadan, Suez and Port Said | 36 | D.B.S. taken on board at Port Said suffering from haemorrhoids. |
| „ 22 | Emma Maersk, m.v. | ... 5064 | Danish ... | do. ... | 35 | All well. |
| „ 29 | British Viscount, s.s. | ... 4073 | British ... | Haifa ... | 43 | do. |
| July 12 | Sapho, m.sail | ... 89 | French | Roscoff | 30 | do. |
| „ 17 | Pomella, m.v. | ... 3311 | British | Haifa | 51 | Master suffering from rheumatism and neuritis. Referred for treatment. |
| „ 21 | British Colonel, s.s. | ... 4136 | do. | do. | 41 | All well. |
| „ 22 | Dixi, s.v. | ... 87 | French | Roscoff | 16 | do. |

PREVENTIVE MEASURES AGAINST IMPORTATION OF INFECTIOUS DISEASE—Continued.

| Date. | Name of Vessel. | Reg. Tons. | Nationality. | Where from. | No. of Persons on board. | Remarks. |
|---------|---------------------------|------------|--------------|---|--------------------------|--|
| 1937 | | | | | | |
| July 27 | British Commander, s.s. | 4075 | British | Haifa | 43 | All well. |
| „ 28 | Valverde, m.v. | 5272 | do. | Abadan, Suez and Port Said | 34 | do. |
| „ 31 | Roger Robert, s.v. | 87 | French | Roscoff | 9 | do. |
| Aug. 11 | Varanger, m.v. | 5508 | Norwegian | Abadan via Algiers | 33 | do. |
| „ 13 | Dixi, s.v. | 87 | French | Roscoff | 6 | do. |
| „ 18 | Petter, m.v. | 5543 | Norwegian | Abadan, Suez and Port Said | 40 | do. |
| „ 26 | Storanger, m.v. | 5514 | Norwegian | Haifa | 34 | do. |
| Sept. 8 | Sylvia de Larrinaga, s.s. | 3206 | British | La Plata, Montevideo, Pernambuco, St. Vincent (C.V. Is.). | 38 | do. |
| „ 9 | Nyholm, s.s. | 3294 | Norwegian | Haifa | 30 | do. |
| „ 24 | Ilford, s.s. | 2790 | British | do. | 33 | do. |
| „ 25 | Hilda Knudsen, m.v. | 5472 | Norwegian | do. | 37 | do. |
| Oct | Athelcrown, s.s. | 7074 | British | Haifa | 38 | do. |
| „ 9 | Queen Maud, m.v. | 3038 | do. | Melbourne via London | 32 | do. |
| „ 17 | Chr. Th. Boe, m.v. | 3670 | Norwegian | Abadan, Suez and Port Said | 31 | do. |
| „ 25 | British Pride, m.v. | 4180 | British | do. | 43 | do. |
| „ 28 | Garoufalia, s.s. | 2959 | Greek | Rosario | 29 | do. |
| „ 29 | Alexandros, s.s. | 2822 | do. | Odessa via Oran | 31 | do. |
| „ 30 | British General, s.s. | 4102 | British | Abadan, Suez and Port Said | 45 | D.B.S. invalidated home with fibrosis of lung. Proceeded home for treatment. |
| Nov. 4 | British Colony, s.s. | 4134 | do. | do. | 40 | All well. |
| „ 8 | Eleonora Maersk, m.v. | 6528 | Danish | Abadan, Suez and Port Said | 36 | do. |
| „ 15 | British Advocate, m.v. | 4129 | British | do. | 44 | do. |
| „ 17 | British Governor, s.s. | 4036 | do. | do. | 42 | do. |

PORT TALBOT DISTRICT.

| Date. | Name of Vessel. | Reg. Tons. | Nationality. | Where from. | No. of Persons on board. | Remarks. |
|---------|--------------------|------------|--------------|--------------------------|--------------------------|---|
| 1927 | | | | | | |
| Mar. 19 | Campden Hill, s.s. | 2619 | British | Abu Zenima via Gibraltar | 33 | All well. |
| June 29 | Grelhead, s.s. | 2602 | do. | Abu Zenima | 33 | do. |
| July 10 | Arraiz, s.s. | 2787 | Spanish | Rio de Janeiro | 43 | Three seamen suffering from venereal disease. Referred to clinic. |
| Dec. 7 | Sneffjeld, s.s. | 1001 | Norwegian | Algiers | 20 | Five cases of malaria. Three removed to hospital. Two remaining on board. |

MEASURES AGAINST RODENTS.

Rats captured on vessels are superficially examined before cremation and suspected rats sent to the Beck Laboratory for bacteriological examination. Vessels arriving from infected or suspected ports are examined for the presence of dead rats, and should any rats be caught when in port, specimens are always sent for bacteriological examination.

Similar measures are adopted when dealing with rats caught on quays, wharves, warehouses, etc., in the vicinity of the port.

Ships loading or discharging are requested, when possible, to have all mooring chains and ropes guarded by rat discs properly fixed in position; gangways, etc., raised at night; and lighters removed from alongside after working hours. All grain vessels are kept moored away from the wharf while being discharged.

Ships arriving from infected or suspected ports, grain ships, general cargo, and other ships on which there is reported to be the presence of rats, are examined by the Deratisation Inspectors.

All parts of the ship, particularly those which are most remote and difficult of access, are thoroughly searched by the Inspectors, who, in estimating the rat prevalence are guided by the various rat indications, such as the amount of excreta, whether recent or stale, runs, gnawings, nests, damage to cargo, markings, harbourage, etc.

When ships are examined for rat infestation or for fumigation purposes, any harbourage, runs, access to stores, peaks, etc., are sought and when any harbourage such as pipe casings, sheathings, wooden floors, dunnage, etc., is found to exist, the master or owners are advised as to any improvements which are practicable to correct or eliminate the same.

Quays, wharves, warehouses, etc., are periodically inspected and the extent of rat infestation reported upon. When necessary, notices are served on the owners, followed by advice as to the best methods of destruction. Most warehousemen are supplied with traps and poison baits and are making efforts to reduce the rat population. Large areas devoted to the storage of timber, deals, and pitprops, etc., are also kept under observation and when necessary, poison baits are laid.

The rat-proofing of docks and wharves presents a difficult problem. In recent years most of the warehouses and transit sheds have been practically rendered rat-proof by the abolishment of unnecessary woodwork, and the laying of patent concrete floors.

In recently constructed warehouses, the latest methods designed to reduce rat harbourage to a minimum, have been adopted, and when the reconstruction of any of the older type of warehouse takes place, similar improvements have been carried out.

Deratisation Certificates and Deratisation Exemption Certificates.

Articles 19 to 21 inclusive of the Port Sanitary Regulations, 1933, provide for the application of Article 28 of the International Sanitary Convention of Paris, 1926, which makes it obligatory on the arrival of a ship from a foreign port, for the Medical Officer of Health to require the master to produce a valid deratisation certificate or a valid deratisation exemption certificate.

If no valid certificate is produced, the regulations require the ship to be inspected and a dated deratisation exemption certificate to be issued if the ship is free from rats, or is maintained in such a manner that the number of rats on board is kept down to a minimum. If the ship is not so maintained, the master must make arrangements for deratisation to be carried out in a manner approved by the Medical Officer of Health. After the deratisation (which is usually carried out by fumigation with sulphur dioxide or hydrogen cyanide) has been completed to the satisfaction of the Medical Officer, a dated deratisation certificate is issued.

These certificates are only valid for six months but this period may be extended for one month in the case of a ship proceeding to her home port. The certificates are recognised throughout the world and are only issued at ports possessing the equipment and personnel necessary for the deratisation of ships, and which have been approved and notified to the Office International d'Hygiene Publique, by the government of the country concerned.

This Authority does not undertake the fumigation of vessels but supervises the operation. The ship-owner or agent engage firms who contract for this class of work, and it is necessary to supply the firm undertaking the fumigation with the cubic contents of each compartment to be fumigated. It must be understood that this Authority will not be responsible for any accidents which may occur during or after the process of fumigation.

It is therefore important for the contractor undertaking the fumigation to certify when the ship is clear of the fumigant and safe for the officers, crew and workmen to return to the ship.

If hydrogen cyanide is used the precautions advised in the "Memorandum issued by the Ministry of Health on the fumigation of ships with hydrogen cyanide" should be carefully observed.

Fumigation Standards.

No fumigation standards are laid down, but the following provisional standards for empty ships have been recommended. The quantities of fumigant, and the periods of exposure vary according to the purpose of the fumigation. For the destruction of rats and fleas the following quantities and periods of exposure are recommended.

Fumigation with hydrogen cyanide.

For each 1,000 cubic feet to be fumigated, not less than 2 ounces of liquefied hydrogen cyanide required. When the fumigant used is "Zyklon B" an equivalent to 60 grammes of hydrogen cyanide per 1,000 cubic feet is needed.

The minimum time of exposure is two hours.

Fumigating with sulphur dioxide.

For each 1,000 cubic feet of space, 3 lbs. of sulphur burnt in open containers with a minimum exposure of 6 hours. For vapourising liquid sulphur dioxide 2 lbs. for each pound of sulphur.

In pursuance of the above-mentioned regulations, a total of 418 certificates were issued, 25 of them being deratisation certificates and the remaining 393 deratisation exemption certificates. Of the vessels granted deratisation certificates, 10 were fumigated with sulphur dioxide, 21 rats being destroyed, and 15 fumigated with hydrogen cyanide, 228 rats being destroyed, bringing the number of rats destroyed on vessels deratised up to 249.

Deratisation exemption certificates were granted chiefly to the regular local continental traders. Owing to the character of the trade of the port, these vessels are mainly engaged in carrying cargoes which are unattractive to rats. From experience it is exceptional to find any of these rat infested, only slight traces being occasionally found. Traces very slight and localised were found on 25 of the ships to which deratisation exemption certificates were issued, and corrective measures by trapping, etc., on these vessels resulted in 121 rats being destroyed.

Measures of rat destruction were also carried out on vessels, other than those dealt with under the former regulations. Vessels, although possessing valid certificates, were systematically examined for the presence of rats and on 26 of such vessels trapping, etc., was employed and 143 rats destroyed.

Warehouses, wharves, quays, etc., in the vicinity of the docks are periodically inspected for rat infestation and harbourage, and when necessary, continual measures by trapping, laying of poison baits, etc., are employed to reduce the rat population. As a result of such action a total of 1,097 rats were destroyed.

Throughout the year 110 specimen rats from vessels and 115 from warehouses, etc., were bacteriologically examined at the Beck Laboratory, all being found free from plague.

RATS DESTROYED DURING THE YEAR.

TABLE E.
(1)—On Vessels.

| Number of Rats. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total in Year. |
|--------------------------|------|------|------|-------|-----|------|------|------|-------|------|------|------|-------------------|
| Black | 28 | 80 | 6 | 74 | 11 | 51 | 18 | 6 | 37 | 19 | 12 | 7 | 349 |
| Brown | 15 | 25 | — | 18 | — | 32 | 14 | — | 4 | 6 | 26 | 24 | 164 |
| Species not recorded ... | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Examined | 10 | 9 | 5 | 13 | 5 | 22 | 12 | 2 | 10 | 4 | 6 | 12 | 110 |
| Infected with plague ... | — | — | — | — | — | — | — | — | — | — | — | — | — |

PARTICULARS OF VESSELS FUMIGATED :—

| Date Fumigated. | Name of Vessel. | Reg. Tons. | Nationality. | Where from. | Fumigant. | Rats recovered. |
|--------------------|----------------------------|---------------|--------------|--------------------|-----------|--------------------|
| 1937 | | | | | | |
| Jan. 11 | Airthria, s.s. | 2946 | British ... | Avonmouth | H.C.N. | 18 |
| " 18 | Samala, s.s. | 3300 | do. ... | Garston | H.C.N. | 2 |
| Feb. 15 | Mopan, s.s. | 3298 | do. ... | Garston | H.C.N. | 5 |
| " 20 | Norwegian, s.s. | 4008 | do. ... | Avonmouth | H.C.N. | 85 |
| " 22 | Tortuguero, s.s. | 3287 | do. ... | Dartmouth | H.C.N. | — |
| " 22 | Manistee, s.s. | 3287 | do. ... | Dartmouth | H.C.N. | — |
| Mar. 15 | Maplewood, s.s. | 2808 | do. ... | Manchester | S.O.2. | — |
| " 27 | *Kenbane Head, s.s. ... | 3269 | do. ... | Dublin | S.O.2. | — |
| April 1 | Oswestry Grange, s.s. ... | 2824 | do. ... | Tyne | S.O.2. | — |
| " 14 | Csarda, s.s. | 2353 | Hungarian | Limerick | H.C.N. | 5 |
| " 17 | British Monarch, s.s. ... | 3531 | British ... | London | H.C.N. | 73 |
| " 25 | Cornwall, s.s. | 6637 | do. ... | Glasgow | H.C.N. | — |
| June 21 | Cristales, s.s. | 3301 | do. ... | Bremerhaven | H.C.N. | 6 |
| " 21 | Aracataca, s.s. | 3298 | do. ... | Southampton | H.C.N. | 15 |
| " 28 | Langleford, s.s. | 2819 | do. ... | Belfast | S.O.2. | 9 |
| July 3 | Dakotian, s.s. | 4064 | do. ... | Avonmouth | H.C.N. | 5 |
| " 15 | *Grelhead, s.s. | 2602 | do. ... | Abu Zenima | S.O.2. | — |
| Oct. 7 | Warlabby, s.s. | 3012 | do. ... | Antwerp | S.O.2. | 12 |
| " 18 | Francis Massey, s.s. ... | 2538 | do. ... | Avonmouth | H.C.N. | 1 |
| " 30 | Oswestry Grange, s.s. ... | 2825 | do. ... | Liverpool | S.O.2. | — |
| Nov. 22 | Maplewood, s.s. | 2828 | do. ... | London | S.O.2. | — |
| " 29 | Samala, s.s. | 3300 | do. ... | Avonmouth | H.C.N. | 2 |
| Dec. 18 | *Fairwater, s.s. | 2604 | do. ... | Sharpness | S.O.2. | — |
| " 20 | Chagres, s.s. | 3219 | do. ... | Southampton | H.C.N. | 11 |
| " 24 | Bonnington Court, s.s. ... | 3011 | do. ... | Limerick | S.O.2. | — |

* Vessels dealt with at Port Talbot.

TABLE F.

(2)—In Docks, Quays, Wharves and Warehouses.

| Number of Rats. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total in Year. |
|--------------------------|------|------|------|-------|-----|------|------|------|-------|------|------|------|-------------------|
| Black | 35 | 55 | 42 | 32 | 51 | 42 | 37 | 27 | 27 | 50 | 63 | 62 | 523 |
| Brown | 49 | 51 | 52 | 33 | 58 | 31 | 36 | 36 | 41 | 49 | 67 | 71 | 574 |
| Species not recorded ... | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Examined | 9 | 11 | 11 | 12 | 11 | 11 | 9 | 7 | 7 | 9 | 11 | 7 | 115 |
| Infected with plague ... | — | — | — | — | — | — | — | — | — | — | — | — | — |

Rats recovered in warehouses and wharves in the vicinity of the docks, and number bacteriologically examined :—

| <i>Dock.</i> | | | | <i>Rats Recovered.</i> | | | | <i>Bacteriologically Examined.</i> | |
|------------------|-----|-----|-----|----------------------------|-----------|-----|-----|--|-----|
| King's | ... | ... | ... | 257 | ... | ... | ... | 28 | |
| Prince of Wales' | ... | ... | ... | 203 | ... | ... | ... | 24 | |
| North | ... | ... | ... | 202 | ... | ... | ... | 21 | |
| South | ... | ... | ... | 418 | ... | ... | ... | 41 | |
| Riverside | ... | ... | ... | 15 | ... | ... | ... | 1 | |
| Port Talbot | ... | ... | ... | 2 | ... | ... | ... | — | |
| | | | | | | | | | |
| Total ... | | | | 1097 | Total ... | | | | 115 |
| | | | | | | | | | |

TABLE G.

Measures of Rat Destruction on Plague " infected " or " suspected " Vessels or Vessels from plague infected ports arriving in the Port during the year.

| Total Number of such Vessels arriving. | Number of such Vessels fumigated by SO ₂ . | Number of Rats killed. | Number of such Vessels fumigated by HCN. | Number of Rats killed. | Number of such Vessels on which trapping, poisoning, etc., were employed. | Number of Rats killed. | Number of such Vessels on which measures of Rat destruction were not carried out |
|--|---|------------------------|--|------------------------|---|------------------------|--|
| 2 | Nil | Nil | Nil | Nil | 1 | 5 | 1 |

**RATS, FROM VESSELS, BACTERIOLOGICALLY EXAMINED AT THE
BECK LABORATORY.**

| Date. | Name of Vessel. | Where from. | No. of Rats examined. | Result. |
|---------|-------------------------------|----------------------------|--------------------------|---------------------|
| 1937. | | | | |
| Jan. 5 | Mariota, s.s. | Bideford ... | 2 | No bacillus pestis. |
| " 12 | Airthria, s.s. | Avonmouth ... | 4 | do. |
| " 21 | Samala, s.s. | Garston ... | 2 | do. |
| " 30 | Corrales, s.s. | do. | 2 | do. |
| Feb. 10 | Sulaco, s.s. | do. | 3 | do. |
| " 15 | Mopan, s.s. | do. | 2 | do. |
| " 19 | Norwegian, s.s. | Avonmouth ... | 4 | do. |
| Mar. 8 | Suzon, s.s. ... | Bayonne ... | 1 | do. |
| " 22 | Airthria, s.s. | Avonmouth ... | 4 | do. |
| April 2 | Snefjeld, s.s. | Cardiff ... | 2 | do. |
| " 6 | Chagres, s.s. | Liverpool ... | 1 | do. |
| " 9 | *Carperby, s.s. | Rotterdam ... | 2 | do. |
| " 15 | Csarda, s.s. | Limerick ... | 2 | do. |
| " 17 | British Monarch, s.s. | London ... | 6 | do. |
| May 7 | Nyngat, s.s. | Rotterdam ... | 3 | do. |
| " 19 | Scoresby, s.s. | Rosario ... | 2 | do. |
| June 2 | Alma Dawson, s.s. | Ardrossan ... | 2 | do. |
| " 2 | Norwegian, s.s. | Montreal ... | 3 | do. |
| " 10 | Comliebank, m.v. | Sydney, via Dublin ... | 2 | do. |
| " 15 | Casanare, s.s. | Garston ... | 1 | do. |
| " 15 | Troutpool, s.s. | Three Rivers ... | 2 | do. |
| " 22 | Aracataca, s.s. | Southampton ... | 2 | do. |
| " 22 | Cristales, s.s. | Bremerhaven ... | 2 | do. |
| " 22 | Matina, s.s. | Garston ... | 2 | do. |
| " 24 | City of Hong Kong, s.s. | Dunkirk ... | 2 | do. |
| " 28 | Langleeford, s.s. | Belfast ... | 3 | do. |
| " 30 | Fishpool, s.s. | Sydney (N.S.) ... | 1 | do. |
| July 5 | Dakotian, s.s. | Avonmouth ... | 3 | do. |
| " 8 | Tilapa, s.s. ... | Southampton ... | 2 | do. |
| " 10 | Nicoya, s.s.... | Garston ... | 2 | do. |
| " 27 | Norwegian, s.s. | Newport ... | 2 | do. |
| " 29 | Zeus, s.s. ... | Rosario, via Avonmouth ... | 1 | do. |
| " 29 | Alma Dawson, s.s. | Sydney (C.B.) ... | 2 | do. |
| Sept. 1 | Manistec, s.s. | Avonmouth ... | 1 | do. |
| " 1 | Dakotian, s.s. | Newport (Mon.) ... | 1 | do. |
| " 9 | Francis Dawson, s.s. | Antwerp ... | 3 | do. |
| " 16 | Tabaristan, s.s. | Belfast ... | 3 | do. |
| " 28 | Aracataca, s.s. | Garston ... | 2 | do. |
| " 30 | Rudby, s.s. | Barrow ... | 2 | do. |
| Oct. 6 | Warlabby, s.s. | Antwerp ... | 2 | do. |
| " 27 | Antonis Georgandis, s.s. | Avonmouth ... | 2 | do. |
| Nov. 2 | Alexandros, s.s. | Odessa ... | 2 | do. |
| " 16 | Fidelio, s.s. | New Orleans ... | 1 | do. |
| " 19 | Baharistan, s.s. | Avonmouth ... | 1 | do. |
| " 30 | Samala, s.s. | Avonmouth ... | 1 | do. |
| " 30 | Sekstant, s.s. | Cardiff ... | 1 | do. |
| Dec. 2 | Afroessa, s.s. | Workington ... | 2 | do. |
| " 8 | Hawkinge, s.s. | Garston ... | 2 | do. |
| " 8 | Baron Ogilvy, s.s. | Antwerp ... | 1 | do. |
| " 18 | Dakotian, s.s. | Avonmouth ... | 3 | do. |
| " 22 | Chagres, s.s. | Southampton ... | 2 | do. |
| " 22 | Nicoya, s.s.... | Avonmouth ... | 2 | do. |

* Vessel dealt with at Port Talbot.

TABLE H.

Deratisation Certificates and Deratisation Exemption Certificates issued during the year.

| Net Tonnage. | No. of Ships. | No. of Deratisation Certificates Issued. | | | | | No. of Deratisation Exemption Certificates Issued. | Total Certificates Issued. |
|-------------------------------|---------------|--|----------|---------------------|---------------------------------|--------|--|----------------------------|
| | | After fumigation with | | | After Trapping, Poisoning, etc. | Total. | | |
| | | H.C.N. | Sulphur. | H.C.N. and Sulphur. | | | | |
| Ships up to 300 tons | 95 | — | — | — | — | — | 95 | 95 |
| „ from 301 tons to 1,000 tons | 165 | — | — | — | — | — | 165 | 165 |
| „ „ 1,001 „ 3,000 „ | 88 | 3 | 7 | — | — | 10 | 78 | 88 |
| „ „ 3,001 „ 10,000 „ | 70 | 12 | 3 | — | — | 15 | 55 | 70 |
| „ over 10,000 tons | — | — | — | — | — | — | — | — |
| TOTALS | 418 | 15 | 10 | — | — | 25 | 393 | 418 |

Number of certificates issued from individual ports under the jurisdiction of the Authority :—

| Tonnage. | Swansea. | Neath. | Port Talbot. | Llanelly. | Totals. |
|-------------------------------|----------|--------|--------------|-----------|---------|
| Ships up to 300 tons | 63 | 2 | 27 | 3 | 95 |
| „ from 301 tons to 1,000 tons | 123 | 2 | 32 | 8 | 165 |
| „ „ 1001 „ „ 3,000 „ | 52 | — | 36 | — | 88 |
| „ „ 3001 „ „ 10,000 „ | 65 | — | 5 | — | 70 |
| „ over 10,000 tons | — | — | — | — | — |
| TOTALS | 303 | 4 | 100 | 11 | 418 |

INSPECTION OF VESSELS.

5,890 vessels were inspected at the ports under your jurisdiction, this being an increase of 386 vessels when compared with last year. British vessels totalled 4,233 and Foreign 1,657, the former representing an increase of 194, whilst the latter showed an increase of 192 when compared with the respective figures for 1936.

The total number reported to be defective was 897, defects being remedied on 858. Nuisances and defects found on vessels inspected, numbered 2,021, of which 1,703 were remedied, and in addition 1,637 verminous and dirty beds were destroyed. Three statutory notices, 240 informal notices and 654 verbal instructions were issued ; and in order to enforce compliance with these notices and to investigate cases of sickness, it necessitated 813 re-visits being made by your Inspectors.

Number of vessels inspected, British and Foreign, at the respective ports, together with the number of nuisances and defects dealt with and the total populations :—

| District. | Number of Vessels. | | | Number of Nuisances and Defects dealt with. | Number of persons on board vessels inspected. |
|--------------------|--------------------|----------|--------|---|---|
| | British. | Foreign. | Total. | | |
| SWANSEA | 3,146 | 1,089 | 4,235 | 1,471 | 76,772 |
| NEATH | 161 | 70 | 231 | 55 | 1,934 |
| PORT TALBOT | 882 | 498 | 1,380 | 495 | 21,691 |
| PORTHCAWL | 44 | — | 44 | — | 1,308 |
| TOTALS | 4,233 | 1,657 | 5,890 | 2,021 | 101,705 |

NATIONALITY OF VESSELS INSPECTED.

| Nationality. | SWANSEA. | | | NEATH. | | | PORT TALBOT. | | | PORTHCAWL. | | |
|--------------------------|----------|------|-------|--------|------|-------|--------------|------|-------|------------|------|-------|
| | Steam | Sail | Total | Steam | Sail | Total | Steam | Sail | Total | Steam | Sail | Total |
| Belgian | 46 | — | 46 | — | — | — | 23 | — | 23 | — | — | — |
| British | 3,004 | 142 | 3,146 | 140 | 21 | 161 | 831 | 51 | 882 | 44 | — | 44 |
| Chinese | 1 | — | 1 | — | — | — | — | — | — | — | — | — |
| Danish | 90 | — | 90 | — | — | — | 20 | — | 20 | — | — | — |
| Danzig Free State | 4 | — | 4 | — | — | — | — | — | — | — | — | — |
| Dutch | 131 | — | 131 | 52 | — | 52 | 36 | — | 36 | — | — | — |
| Egyptian | 1 | — | 1 | — | — | — | — | — | — | — | — | — |
| Esthonian | 75 | — | 75 | 3 | — | 3 | 48 | — | 48 | — | — | — |
| Finnish | 61 | — | 61 | — | — | — | 22 | — | 22 | — | — | — |
| French | 85 | 54 | 139 | — | 2 | 2 | 107 | 19 | 126 | — | — | — |
| German | 50 | — | 50 | — | — | — | 5 | — | 5 | — | — | — |
| Greek | 35 | — | 35 | — | — | — | 19 | — | 19 | — | — | — |
| Hungarian | 3 | — | 3 | — | — | — | — | — | — | — | — | — |
| Icelandic | — | — | — | — | — | — | 4 | — | 4 | — | — | — |
| Irish Free State | 4 | — | 4 | 3 | 2 | 5 | 4 | 3 | 7 | — | — | — |
| Italian | 12 | — | 12 | — | — | — | — | — | — | — | — | — |
| Japanese | 12 | — | 12 | — | — | — | — | — | — | — | — | — |
| Jugo-Slavian | 11 | — | 11 | — | — | — | 4 | — | 4 | — | — | — |
| Latvian | 16 | — | 16 | 1 | — | 1 | 20 | — | 20 | — | — | — |
| Lithuanian | 1 | — | 1 | — | — | — | — | — | — | — | — | — |
| Norwegian | 197 | — | 197 | 7 | — | 7 | 74 | — | 74 | — | — | — |
| Panamanian | 6 | — | 6 | — | — | — | 2 | — | 2 | — | — | — |
| Portuguese | 2 | — | 2 | — | — | — | 10 | — | 10 | — | — | — |
| Roumanian | 1 | — | 1 | — | — | — | 1 | — | 1 | — | — | — |
| Spanish | 26 | — | 26 | — | — | — | 19 | — | 19 | — | — | — |
| Swedish | 156 | — | 156 | — | — | — | 55 | — | 55 | — | — | — |
| U.S.A. | 3 | — | 3 | — | — | — | 1 | — | 1 | — | — | — |
| U.S.S.R. | 6 | — | 6 | — | — | — | 2 | — | 2 | — | — | — |
| TOTALS | 4,039 | 196 | 4,235 | 206 | 25 | 231 | 1,307 | 73 | 1,380 | 44 | — | 44 |

HYGIENE OF CREWS' SPACES.

TABLE J.

Classification of Nuisances.

| Nationality of Vessel. | Number inspected during the year. | Defects of original construction. | Structural defects through wear and tear. | Dirt, vermin and other conditions prejudicial to health. |
|------------------------|-----------------------------------|-----------------------------------|---|--|
| BRITISH | 4,233 | — | 645 | 889 |
| OTHER NATIONS | 1,657 | — | 161 | 326 |

NUISANCES AND DEFECTS DEALT WITH.

| Nature of nuisance or defect. | Swansea. | Neath. | Port Talbot. | Porthcawl. | Total. |
|--|--------------|-----------|--------------|------------|--------------|
| Forecastles, berths, cleaned, painted, etc. | 327 | 15 | 101 | — | 343 |
| Water closets, ditto | 39 | 10 | 38 | — | 87 |
| Peaks cleaned and painted | 1 | — | — | — | 1 |
| Defective or dirty water tanks or casks | 5 | — | 4 | — | 9 |
| Drinking water taken in at suspected ports ordered to be discharged | 1 | — | — | — | 1 |
| Damp quarters caused by leaking decks over berths unlined iron decks over berths and defective wood lining | 56 | 5 | 21 | — | 82 |
| Insufficient ventilation of crews' spaces | — | — | 1 | — | 1 |
| Defective ventilators in ditto | 3 | 2 | 3 | — | 8 |
| Insufficient lighting; defective side ports; deck prisms, etc. ... | 197 | 20 | 101 | — | 318 |
| Ships' gear kept in crews' spaces | — | — | 1 | — | 1 |
| Defective bulkheads and floors in crews' spaces and W.C's. ... | 3 | — | 1 | — | 4 |
| Foul accumulations on decks and quays | 96 | — | 29 | — | 125 |
| Defective or dirty food-lockers | 9 | — | 2 | — | 11 |
| Defective cable chain casing in forecastle or defective or dirty alleyways, companionways | 2 | — | 3 | — | 5 |
| No tables in forecastles; defective ditto | 3 | — | — | — | 3 |
| Defective and dirty bunks in forecastles | 34 | — | 21 | — | 55 |
| Defective and dirty cooks' galleys | 2 | — | 1 | — | 3 |
| Defective and dirty vegetable lockers, pantries, food-bins, etc. ... | 15 | — | — | — | 15 |
| Insufficient heating; defective stoves and stove-pipes, radiators, etc. | 128 | 3 | 31 | — | 162 |
| Defective forecandle and berth doors | 13 | — | 2 | — | 15 |
| Ships' gear kept in W.C.'s, bathrooms, etc. | 1 | — | — | — | 1 |
| Defective drainage in forecastles and berths | 1 | — | — | — | 1 |
| Vermineous forecastles and berths | 371 | — | 1 | — | 452 |
| Leaking hawse-pipe in forecastles | 14 | — | 7 | — | 21 |
| Defective ladders in forecastles, etc. | — | — | 1 | — | 1 |
| Defective seats in forecastles, etc. | 2 | — | — | — | 2 |
| Dirty messrooms, bathrooms, lavatories and wash-houses ... | 16 | — | 3 | — | 19 |
| Defective drainage, seats, doors, ventilation, pans, troughs, flushing, light, soil pipes, etc., in W.C's. | 123 | — | 38 | — | 161 |
| Steam pipe leaking into alleyways | 1 | — | 1 | — | 2 |
| Ballast tank leaking into forecastles | 1 | — | 1 | — | 2 |
| No water closet accommodation provided and insufficient accommodation | 1 | — | — | — | 1 |
| Defective wash-hand basins and waste-pipes | 6 | — | 1 | — | 7 |
| Holds and leaks ventilating into living spaces | — | — | 2 | — | 2 |
| TOTALS | 1,471 | 55 | 495 | — | 2,021 |

FOOD INSPECTION.

- (1) *Action taken under the Public Health (Imported Food) Regulations, 1925; the Public Health (Imported Food) Amendment Regulations, 1933; the Public Health (Imported Milk) Regulations, 1926, and the Public Health (Preservatives, etc., in Food) Regulations, 1925 to 1927.*

Food Imports.

At the fish market 158,476 cwts. of mixed fish, chiefly from the fishing grounds off the Irish Coast were landed. The fish landed was inspected daily and found to be of good quality. All unsold fish and offal were removed daily to the offal factory to be converted into fish manure, etc.

Other imports were grain, cereals, sugar, potatoes, lard, canned and preserved goods. All were found in good condition, other than small quantities being damaged by sea or other causes. All unsound food withheld from human consumption was, with a few exceptions, disposed of locally, or otherwise dealt with. When sent to another district the medical officer of health of the district concerned was notified.

Amount of unsound foodstuffs dealt with :—

| <i>Description.</i> | <i>Tons.</i> | <i>Cwts.</i> | <i>Qrs.</i> | <i>Lbs.</i> | <i>How disposed of.</i> | <i>Description.</i> | <i>Tons.</i> | <i>Cwts.</i> | <i>Qrs.</i> | <i>Lbs.</i> | <i>How disposed of.</i> | | | |
|---------------------|--------------|--------------|-------------|-------------|-------------------------|---------------------|--------------|----------------------------------|-------------|-------------|-------------------------|--------------------|------------|----|
| Fish (wet) ... | 2 | ... | 11 | ... | 2 | ... | 14 | } Conveyed to fish meal factory. | ... | 0 | ... | 0 | Destroyed. | |
| Fish (dried) ... | ... | 0 | ... | 6 | ... | 1 | ... | | 0 | ... | 0 | Sold for pig food. | | |
| Flour ... | 1 | ... | 3 | ... | 3 | ... | 0 | Destroyed. | ... | 0 | ... | 0 | Destroyed. | |
| Fruit (canned) ... | 0 | ... | 8 | ... | 1 | ... | 7 | Do. | ... | 0 | ... | 0 | Do. | |
| | | | | | | TOTAL | ... | 32 | ... | 3 | ... | 2 | ... | 21 |

Four statutory notices were served on importers to destroy unsound foodstuffs.

THE PUBLIC HEALTH (IMPORTED MILK) REGULATIONS, 1926.

No milk, to which the above regulations apply, was imported.

THE PUBLIC HEALTH (PRESERVATIVES, ETC., IN FOOD) REGULATIONS, 1935 to 1927.

It was not found necessary to take action under the above regulations.

(2) *Shell-fish.*

THE PUBLIC HEALTH (SHELL-FISH) REGULATIONS, 1934.

Oyster Fishery.—The oyster trade, as in 1936, may be said to be a complete failure, and there are no signs of any revival. During 1937 only $4\frac{1}{2}$ cwts. of oysters were dredged, and during January-April season this year there has been no dredging and very slight prospects for the September-December season.

There has been no necessity to take action under the Public Health (Shell-fish) Regulations, 1934, or the Public Health (Cleansing of Shell-fish) Act, 1932.

(3) *Number of samples of food examined by :—*

(a) *Bacteriologist.*

(b) *Analyst.*

It was not found necessary to submit samples of food to either the bacteriologist or the analyst.

THE PARROTS (PROHIBITION OF IMPORT) REGULATIONS, 1930.

Vessels arriving with parrots on board :—

| <i>Date.</i> | <i>Name of Vessel.</i> | <i>No. of Parrots.</i> | <i>Date.</i> | <i>Name of Vessel.</i> | <i>No. of Parrots.</i> |
|--------------|-------------------------|------------------------|--------------|------------------------|------------------------|
| 1937 | | | 1937 | | |
| Mar. 8 | Norma, s.s. ... | 2 | July 30 | Yewpark, s.s. ... | 1 |
| „ 23 | Janine, s.s. ... | 2 | Aug. 5 | Isolde, m.v. ... | 1 |
| June 22 | *Janine, s.s. ... | 2 | Sept. 6 | Westlaan, m.v. ... | 2 |
| July 23 | City of Omaha, s.s. ... | 2 | Dec. 17 | Cocle, s.s. ... | 1 |

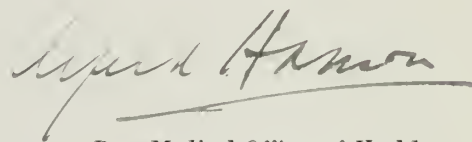
* Arrived at Port Talbot.

In all cases notices were served prohibiting the importation, and forbidding their removal other than for exportation. A written undertaking not to import the parrots was given in each case.

In conclusion, I again wish to express my appreciation of the valuable assistance rendered by the Officers of H.M. Customs and H.M. Board of Trade, also Docks Managers, Dock Masters and Pilots of all the ports under your jurisdiction, and the Officer of the South Wales Sea Fisheries Committee ; who have all so willingly co-operated with the Officers of the Swansea Port Health Authority, Joint Board, in the carrying out of their responsible duties.

I am, Gentlemen,

Your obedient Servant,

A handwritten signature in dark ink, appearing to read 'Rupert Hanson', written over a horizontal line.

Port Medical Officer of Health.

Port Health Offices,
10, Somerset Place,
SWANSEA.

March, 1938.

